

TechTrek



2023 DAY CAMP FOR EXPLORING TECHNICAL CAREERS FOR STUDENTS ENTERING GRADES 7–9

MONDAY–THURSDAY
JULY 24–27

SOUTHWEST TECH CAMPUS
1800 BRONSON BOULEVARD, FENNIMORE

REGISTRATION/CHECK-IN: 8:00–8:30 AM

SESSIONS: 8:30 AM–12:30 PM*

MATERIAL FEE: \$40 PER PARTICIPANT

**NitroX runs 8:30 a.m.–3:30 p.m. on Monday and Wednesday.
See session description for details.*

During Tech Trek, students who will be entering grades 7 through 9 in the 2023–2024 school year will participate in fun hands-on, exploratory activities related to technical careers. Camp participants will receive:

- ▶ **Hands-on Activities** led by Southwest Tech program instructors to increase knowledge of technical careers.
- ▶ **Lunch** each day.
- ▶ **Tech Trek 2023 T-shirt.**
- ▶ Lots of **FUN!!!**



SESSIONS

ALL 4 DAYS! JULY 24-27

• NitroX

MONDAY, JULY 24

- Exploring Nursing
- Firefighting Skills
- Ouch! That Stereotype Hurts
- Welding Shop
- Design and Print Your Own T-Shirt
- Gearhead's Tech Time
- American Heart Association Heartsaver CPR
- The Mighty White Blood Cell
- Lineman Challenge

TUESDAY, JULY 25

- Mapping Fields and Sampling the Soil
- Basic Salon Skills
- Exploration in Surgical Technology
- Design and Print Your Own T-shirt
- Gearhead's Tech Time
- American Heart Association Heartsaver CPR
- The Mighty White Blood Cell
- Lineman Challenge
- Creating Your Own Business

WEDNESDAY, JULY 26

- Meat-It's More than Just a Steak
- Exploration in Surgical Technology
- The Mighty White Blood Cell
- Golf Club Fitting & Repair
- Basic Crime Scene Processing/Investigation
- Welding Shop
- Introduction to Childcare
- Carpentry
- Creating Your Own Business

THURSDAY, JULY 27

- Microscopy: A Glimpse at a World too Small to See
- Learning to be an Ally for People from Diverse Backgrounds
- Golf Club Fitting & Repair
- Basic Crime Scene Processing/Investigation
- Gearhead's Tech Time
- Welding Shop
- Introduction to Childcare
- Carpentry

SPACE IS LIMITED. RESERVE YOUR SPOT TODAY! www.swtc.edu/techtrek

Registration deadline is June 23. Material fee is non-refundable for cancellations received after July 7. Full session descriptions, days, and times are available online.

If you need an accommodation to participate, call 608.822.2632 or email disabilityservices@swtc.edu



Questions? Contact Mary Johannesen

Career Prep & Dual Enrollment Coordinator

Call 608.822.2367 or email mjohannesen@swtc.edu

Southwest Tech is committed to legal affirmative action, equal opportunity access, and diversity of its campus community. www.swtc.edu/equality 04-04-23

American Heart Association Heartsaver CPR

(max. 12 participants)

Learn life saving techniques through the American Heart Association Heartsaver CPR. At the end of the session, they will receive their Heartsaver CPR certification card. This will be a combination of classroom and hands on skills. Come and learn how to save a life!

Basic Crime Scene Processing/Investigation

(max. 12 participants)

Learn about basic crime scene processing. This will include evidence search techniques, DNA collection, fingerprint collection and analysis techniques, latent impressions, and processing a mock crime scene.

Basic Salon Skills

(max. 10 participants)

Learn about a few of the basic skills of cosmetology. Students will have fun practicing nail art skills, braiding, and styling techniques for long hair.

Carpentry

(max. 16 participants)

Learn about Southwest Tech's Building Trades Carpentry program and the various tools and equipment used in the building construction field. Participants will complete a small project from wood.

Creating Your Own Business

(max. 12 participants)

In this session, you will have the opportunity to be entrepreneurs by creating a business and product from start to finish! Learn about both entrepreneurship and marketing. To start this session, you will come up with a brand and product of your own. From there, you will walk through what it takes to bring that product to life and create a marketing plan. Once you have finished creating your own product, brand, and marketing plan, you will end the session by presenting a "sales pitch" to the rest of the class!

Design and Print Your Own T-shirt

(max. 8 participants)

Learn how to design a t-shirt like a pro. In this session, you will pick from our asset collection and assemble your own t-shirt design. From there, you will get to print your design and transfer it to a t-shirt using a heat press.

Exploration in Surgical Technology

(max. 10 participants)

Learn about surgical technology and see how to gown and glove and then do activities in the surgical lab.

Exploring Nursing

(max. 8 participants)

What is a nurse? We will explore the role of a nurse and practice hands-on nursing skills. Come ready to participate in the Nursing Olympics!

Firefighting Skills

(max. 14 participants)
Receive an introduction to basic firefighting skills including the operation of various equipment.

Gearhead's Tech Time

(max. 12 participants)
Explore the worlds of auto and ag mechanics and auto body! Small engine repair, electrical circuit building, vehicle computer diagnostics, virtual paint booth, NASCAR pit stop simulator, plus more are all on the agenda for this session.

Golf Club Fitting and Repair

(max. 12 participants)
Learn how golf clubs are fitted to match a golfer's swing, how golf clubs perform, how clubs are constructed, and have an opportunity to repair a broken club.

Introduction to Childcare

(max. 12 participants)
Learn about the "dos" and "don'ts" of caring for children. We will have fun activities that can be used when you are caring for children.

Learning to be an Ally for People from Diverse Backgrounds

(max. 20 participants)
An ally is a person who advocates for or supports a marginalized group but is not a member of that group. What makes a good ally? How can you be the best ally to those who are from diverse backgrounds? We will answer these questions through a session filled with activities and discussion. Come with questions and be ready to share your experiences. You will leave with the tools to be a great ally.

Lineman Challenge

(max. 12 participants)
Learn how to operate a boom truck with a remote and to be a lineman! During this session you will build an overhead and underground electrical distribution system from the ground up. What makes it so easily understandable is that short power poles will be installed so you will be constructing the lines at eye level. You will work in crews, learning how teamwork is a big part of a lineman's day, and how each member of the team depends on others in the crew to get the job done safely and successfully. You will learn about lineman tools, gear, line trade equipment, and the many different types of knots lineman use on a daily basis. You will also learn about electrical safety.

Mapping Fields and Sampling the Soil

(max. 20 participants)
The first step in precision agriculture is knowing where your fields are on a map. Get some hands-on experience mapping field boundaries and managing the field data that you collect! Explore digitalizing a field with SWTC's John Deere Gator equipped with field mapping technology. Continue to advance your precision skills by taking soil samples of the newly digitized field!

Meat - It's More than Just a Steak

(max. 10 participants)

You will learn why the tenderloin is tender and round steak is tough. You will also learn how to select the best cut of pork or beef from the store. We will also take a look at what a farmer does to raise high-quality meat animals.

Microscopy: A Glimpse at a World Too Small to See

(max. 10 participants)
In this session, you will be able to view items that can't normally be seen with the naked eye. You will stain oral microflora and yeast and extract DNA from strawberries. You will receive a recipe for homemade yogurt to take home and try on your own.



NitroX

(Max. 10 participants)
Explore, drive, and race a remote control (RC) Nitro Revo 3.3 truck!

Learn fundamentals in Nitro engine troubleshooting, RC steering and suspension, and electronics. On Thursday you will compete in a course race and a 90-foot drag race for the piston cup WIN! ***This session meets all four days and will have afternoon sessions on Monday and Wednesday** with on-site visits to local automobile dealerships to learn more about the industry and engage in additional hands-on activities related to the field. Transportation will be provided to and from the sites with a return time to campus between 3:00 – 3:30 p.m.

Ouch! That Stereotype Hurts

(max. 20 participants)
Staying silent in the face of demeaning comments, stereotypes or bias allows these attitudes and behaviors to thrive. This session will focus on exploring communication skills for promoting inclusion and respect. We will come to understand the impact of stereotypes and bias statements, identify why people sit silently in the face of bias and stereotypes and develop skills for speaking up without creating blame or guilt.

The Mighty White Blood Cell

(max. 10 participants)
You will be introduced to the white blood cell (WBC) and learn about how medical laboratory technologists (MLT) use the microscope to examine blood to assist in diagnosing infection. We will explore the functions of various WBCs and how the WBC is a mighty warrior in our body's defense against pathogens. You will also learn how to prepare and stain a peripheral blood smear. The basic use of the microscope will be explained and utilized to visualize the various types of WBCs present in our blood.

Welding Shop

(max. 14 participants)
You will learn some basic welding skills and how to use machines safely. Various lab equipment will be utilized to make a project.